

Project Brief...

Tunnel Sterilizer Controls Upgrade

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Motivated by damage caused by a runaway temperature zone, a major pharmaceutical packaging company required that the existing relay control be replaced with a reliable PLC control and touch screen control panel.

The new controls utilized an Allen Bradley PLC and Wonderware InTouch HMI application.

This solution provided safeguards to prevent a temperature runaway, temperature as well as air pressure trending charts and printed reports for batch reports. This data is stored electronically in a MS SQL database, which also allows for an automatic time-of-day startup before the crew arrives in the morning.



The application was fast track and system was installed during a one-week shutdown. Production commenced without difficulties. QSPEC Solutions' project and design methodology, along with our pharmaceutical experience and knowledge of SOP and validation procedures, made this project a success. QSPEC Solutions provided Functional Specifications and assisted in the system validation.

Solution Overview

Requirements

Replace outdated controls for tunnel sterilizer to improve reliability, performance and ease of use

Solution

Installed Allen Bradley PLC and InTouch HMI application with touch screen

Provided Functional Specifications and assistance to the validation team

Results

Improved safeguards and alarming

Time-of-day startup

Electronic data collection and reporting

Enhanced temperature and air flow control

QSPEC Solutions

Automation Consulting and Technical Services
